

# INVESTIGATOR'S ANNUAL REPORT

## National Park Service

All or some of the information provided may be available to the public

<b>Reporting Year:</b> 2003	<b>Park:</b> Shenandoah NP												
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<b>Additional investigators or key field assistants (first name, last name, office phone, office email):</b>  <table border="0"> <tr> <td><b>Name:</b> Craig Roghair</td> <td><b>Phone:</b> 540-231-4016</td> <td><b>Email:</b> croghair@vt.edu</td> </tr> <tr> <td><b>Name:</b> Keith Whalen</td> <td><b>Phone:</b> 540-231-4016</td> <td><b>Email:</b> jwhalen@vt.edu</td> </tr> <tr> <td><b>Name:</b> Dan Nuckols</td> <td><b>Phone:</b> 540-231-4016</td> <td><b>Email:</b> n/a</td> </tr> <tr> <td><b>Name:</b> Donald J. Orth</td> <td><b>Phone:</b> 540-231-5919</td> <td><b>Email:</b> dorth@vt.edu</td> </tr> </table>		<b>Name:</b> Craig Roghair	<b>Phone:</b> 540-231-4016	<b>Email:</b> croghair@vt.edu	<b>Name:</b> Keith Whalen	<b>Phone:</b> 540-231-4016	<b>Email:</b> jwhalen@vt.edu	<b>Name:</b> Dan Nuckols	<b>Phone:</b> 540-231-4016	<b>Email:</b> n/a	<b>Name:</b> Donald J. Orth	<b>Phone:</b> 540-231-5919	<b>Email:</b> dorth@vt.edu
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<b>Permit#:</b> SHEN-2002-SCI-0012													
<b>Park-assigned Study Id. #:</b> SHEN-00241													
<b>Project Title:</b> LONG TERM RECOVERY OF FISH POPULATIONS AFTER A 500 YEAR FLOOD EVENT IN A SHENANDOAH NATIONAL PARK STREAM													
<b>Permit Start Date:</b> May 22, 2002	<b>Permit Expiration Date</b> May 22, 2003												
<b>Study Start Date:</b> May 22, 2002	<b>Study End Date</b> Nov 30, 2005												
<b>Study Status:</b> Continuing													
<b>Activity Type:</b> Research													
<b>Subject/Discipline:</b> Fish / Ichthyology													
<b>Objectives:</b> To document the recovery of ifsh populations form a catastrophic flood and debris flow. We are documenting the distribution, abundance, growth, and movements of brook trout throughout the Staunton River watershed.													
<b>Findings and Status:</b> The brook trout population in Staunton River continues to fluctuate annually following the flood and debris flow of 1995. Annual survival of fish one-year old and greater often exceeds 50% with some fish reaching 5+ years of age. Growth of appears to plateau after 3-years. Most fish do not move from the site of tagging with PIT (passive integrated transponders) tags.													
<b>For this study, were one or more specimens collected and removed from the park but not destroyed during analyses?</b> No													
<b>Funding provided this reporting year by NPS:</b> 0	<b>Funding provided this reporting year by other sources:</b> 5000												
<b>Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college</b>													
<b>Full name of college or university:</b>	<b>Annual funding provided by NPS to university or college this reporting year:</b>												

